

## A B S T R A C T

METHODS AND DEVICES FOR EVALUATING TRANSMISSION AND  
 PROCESSING DELAYS OF A SPEECH SIGNAL RECEIVED IN A  
 5 TERMINAL CONNECTED TO A PACKET-SWITCHED NETWORK

A method of evaluating the processing delay of a  
 speech signal contained in data packets received in a  
 receiver terminal equipped with a telephony module during  
 10 a voice call to a terminal sending the data packets over  
 a packet-switched network, includes the following steps:

- obtaining (E32) from the received data packets a  
 stream of audio packets containing the speech signal;
- within a predetermined decoding time, decoding  
 15 (E34) the stream of audio packets obtained and creating a  
 first reconstituted speech signal (F1);
- duplicating (E36) at least a portion of the  
 speech signal reconstituted by the telephony module  
 constituting a second speech signal (F2);
- 20 · determining (E39) the delay difference between  
 the first speech signal (F1) and the second speech signal  
 (F2); and
- calculating (E40) the processing delay D3 of the  
 speech signal in the receiver terminal from at least the  
 25 measured delay difference between said first speech  
 signal (F1) and said second speech signal (F2) and the  
 predetermined decoding time.

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Translation of the title and the abstract as they were when originally filed by the  
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 38.2, and/or 48.3.